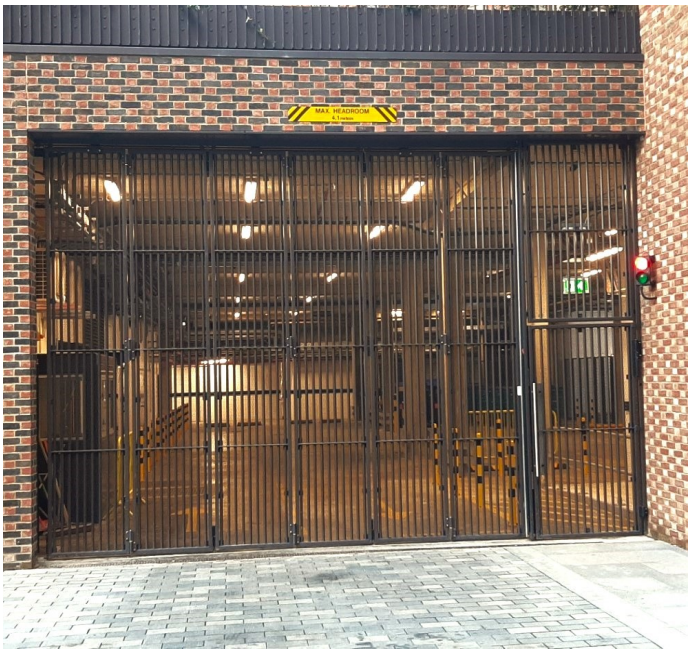
Bolton Gate Company

MULTIFOLD GATES

Top Hung High Ventilation
Security Gates

Data Sheet ref. Security 4 July 24





MULTIFOLD GATES

SPECIFICATION SUMMARY

The Multifold Gate was introduced to the marketplace as a solution for areas where security combined with good visibility, passage of daylight illumination and natural airflow are important considerations.

Offering more than 60% free airflow in the standard design, the gate system is manufactured from the best quality materials using sound engineering principles, that together create a product of superior design with intrinsic strength and structural integrity.

Individual panels are formed from a four-sided heavy duty perimeter framework capable of receiving various infills, cladding panels or bespoke facings benefitting designers or architects with the option of a tailored solution.

The top-hung arrangement allows the Multifold to be provided on openings of up to 24m in width and yet it still manages to maintain only a relatively compact head and side room requirement.

Applications Include: -

Carpark entrances, service yards, loading and storage bays. In areas with the potential for build up of harmful gases, the free-open area of the standard design greatly assists when used with ventilation or extraction systems to generate mechanical airflow.

Performance Characteristics: -

High level of security.
Natural ventilation.
Free open area helps disperse gases and aids airflow.

Key Attributes: -

Providing a high level of security with integral strength and durability.
Minimal headroom requirements.
Compact sideroom requirements.
Individually manufactured to suit specific opening sizes but the standard design can be modified to reflect the aesthetic of the surrounding finishes.
A wide range of electrical control and safety options.

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Operation
The doors are electrically operated as standard using a 400volt nominal , 3 phase direct drive motor mounted on the top track.
Emergency hand chain operation with low level engagement is provided with the motor.

A control panel with integrated open/close/stop push buttons is positioned adjacent to the opening at the bunch side.

A wireless safety edge is mounted to the front edge of the leading panel (s).

Gate Frame
The standard arrangement is for the Multifold Gate to be face fixed internally but there is also the option of mounting between the jambs. The doors can be single (bunching to one side) or bi-parting.

With bespoke construction, other arrangements can be fabricated including fixed side and head panels – please contact the Sales Department to discuss.

Gate Leaves
The gate leaves are available in various designs but the standard arrangement comprises a 60 x 40mm RHS perimeter frame with 25mm diameter tubes or 25mm SHS uprights at 125mm centres.

Taller gates have a mid rail incorporated for strengthening purposes. A rear mounted wire mesh can be incorporated to prevent access through the steel uprights.

A wide range of alternative cladding and infills have been used on the Multifold Gates - we would be happy to discuss your specific design requirements.

Hinges / Guide Pins
The panels are connected using heavy duty hinges arranged at the top, bottom and intermediate positions.

Top Track
The door panels are top hung on four wheel type bearing hangers which incorporate the panel hinges and run in a galvanised steel top track. An auxiliary top track is attached to allow the panels to fold correctly.

Bottom Track
A steel channel bottom track is provided and set for alignment within a 200 x 75mm chase before final grouting into position. The unique profile of the bottom track both assists weather sealing whilst providing the necessary level threshold.

Finish
The majority of parts are galvanised with other components prime painted. A polyester powder coat finish to a range of standard RAL colours is available as an extra option.

Weight
Approximately 50kg per m^2 albeit this may vary dependent on the door width and height.

Sizes

Single:	12m clear width x 8m clear height
Pair:	24m clear width x 8m clear height

Options
- Integrated wicket door complete with hardware.
- Polyester powder coat finish to a single RAL colour.
- A wide array of control and safety equipment such as light curtains, radar, pressure mats, remote controls—please discuss with our sales team.
- Ability to Incorporate site specific cladding or infills.

To specify this product please state:
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